

~~SECRET~~Introduction

Soviet aid to industrial construction projects has been a significant factor in the rapid industrialization of Communist China since 1950. This assistance has taken the form of two economic credits totaling 1,720 million rubles against which the Chinese have drawn to help pay for imports from the USSR including equipment for the construction of the 211 major industrial projects which the USSR has committed itself to assist China to construct.* The value of the equipment which the USSR has promised to deliver to China during the period 1950 to 1962 is valued at 5,100 million rubles and includes all technical assistance relating to the 211 projects.

Credits and Economic Efforts

The following Table summarizes Soviet economic aid to Communist China during the period 1950-57.

* Only 205 of the 211 Soviet Aid Projects are considered by the Chinese Communists to be industrial construction projects. The remaining six involve the construction of research institutes and the renovation or expansion of previously constructed projects. Other announcements indicate that agreements have been signed by which the USSR will assist Communist China on 205 industrial projects and 21 "individual workshops".

~~SECRET~~

Credits and Equipment Exports
Soviet Economic Aid to Communist China,
*1949-57**

<u>Date of Agreement</u>	<u>Number of Projects Involved</u>	<u>Economic Credits</u>		<u>Value of Equipment Committed for Delivery by</u>	
		(millions rubles)	(millions US\$)	(millions rubles)	(millions US\$)
February 1950	50	1,200	300	-	-
September 1953	91	-	-	5,200 <u>4/61</u>	1,300 <u>4/61</u>
October 1954	15	520	130	100	100
April 1956	55	-	-	2,500	625
Total	211	1,720	430	8,100	2,025

(b) Includes value of equipment and technical assistance for the 50 projects covered in the

February 1950 agreement.

(a) Value of equipment committed for delivery through 1962 under existing agreements.

These projects are chiefly in the field of heavy industry and include construction of metallurgical, power, machine-building, chemical, defence, automobile, and tractor-manufacturing plants, petroleum installations, and the like. Assistance by the USSR includes geological surveying, selection of construction sites, designing, supervision of construction-installation work, and, on completion of construction, assistance in the production process of the new plant.

The Chinese Communists originally planned to start construction of 115 projects in the First Five Year Plan, but only ^{About} 111 were begun by the end of 1957.

In December 1957, Peking announced that 56 projects had been completed and that 10 more would be in partial operation by the end of the year. With the full completion of these 66 projects, 115 of the 211 projects remain to be completed.

* The conversion rate at the official exchange rate is 4 rubles equals to US \$1.

SECRET

SECRET

Until the Chinese Communists define the term Soviet Aid Projects and identify many more projects than they have to date, any list which seeks to identify such projects must be considered tentative. Numerous difficulties attendant on the compilation of this list necessitated an evaluation of firm, probable, or possible being made in respect to every project considered. Documentation for this list is maintained in the files of the responsible branch.

* For example, the USSR has assisted on hundreds of projects, but most of this assistance has been so minor that it cannot be considered in the category of the 211 Soviet Aid Projects. Also, the multiplicity of projects reported to be under construction at one construction site makes it difficult to determine whether the projects should be considered as components of one over-all project or as separate projects. For example, components of the An-shan Iron and Steel Combine—such as individual blast furnaces—are reported as separate projects receiving Soviet aid. The entire Wu-han Steel Combine, on the other hand, is reported to be only one of the earlier 156 projects.

SECRET

~~SECRET~~

1954	Iron and Steel	Blast Furnace (No. 3)	An-shan, Liaoning hl 67 = 122 57	1956	1957
1954	"	Blast Furnace (No. 5)	" "	1956	July 1955
1954	"	Blast Furnace (No. 6)	" "	1953	October 1954
Firm	"	Blast Furnace (No. 7)	" "	1953	Early 1954
1954	"	Blast Furnace (No. 8)	" "	1952	1953
"	"	Blast Furnace (No. 9)	" "	1955	1956
"	"	Coking Mill (No. 2)	" "	1955	1956
1954	Iron-Alloy Plant	Kirin, Kirin	45 51N - 126 33E	NA	Before August 1956
1954	"	Iron Ore, Ore Dressing, and Flotating Plant	An-shan, Liaoning (Kun-ch'ien-ling)	1956	Operational 1956
Firm	"	Iron Mine, Ore Dressing, and Flotating Plant	(Lia-kou-hua)	1956	1957
1954	"	Iron Mine, Ore Dressing, and Flotating Plant	(Tung-men-shan)	1956	1959 (Plan)
"	"	Chromite Mill (No. 2)	" "	June 1956	1957

~~SECRET~~

~~SECRET~~

Steel Rail-Structural Mill (Heavy Rolling Mill)	An-shan, Liaoning 41 07N - 122 57E	1952	1953
Seamless Tube Mill	" "	1952	1953
Sheet Mill (No. 2)	" "	1953	1954
Steel Works (No. 1)	" "	August 1953	1955
Steel Works (No. 2)	" "	1954	1956
Steel Combine	Pao-t'ou, Inner Mongolian Autonomous Region 40 36N - 110 03E	1957	1962 (Plan)
Steel Combine	Ku-han, Hupeh 30 34N - 114 13E	1956	1962 (Plan)
Precast Reinforced Concrete Products Plant	An-shan, Liaoning 41 07E - 122 57E	1951	June 1954
Refractory Materials Plant	" "	1954	November 1955
Plating Mill (No. 1)	" "	May 1955	November 1955
Iron Works	Hs-an-shan, Anhwei 31 11N - 118 29E	1953	1957 (Plan)

~~SECRET~~

Firm	Name and Address	Re-released date (No. 2)	Location, Licensing	Date	Notes
Possible	"	Ore Smelting Plant (No. 1)	" " "	1955	NA
Possible	"	Steel Combine	Ten-ch'i, Liasoning 41 20N - 122 5E	1955	1955
Possible	"	Steel Combine (No. 2)	Urumchi, Sinkiang 43 47N - 87 3E	1956	NA
Firm	Machinery Building	Automobile Manufacturing Plant (No. 1)	Ch'ang-ch'un, Kairin 43 55N - 126 1E	July 1953	July 1956
Firm	"	Ball Bearing Plant	Louyang, Honan 34 41N - 112 2E	September 1955	Partial operation June 1957
Firm	"	Boiler Plant	Harbin, Heilungkiang 43 47N - 126 3E	October 1956	September 1956
Firm	"	Concenser Plant	Ling, Shensi 34 14N - 110 5E	August 1956	Equipment being installed January 1957
Firm	"	Electric Cable Factory	Wukden, Liasoning 40 42N - 123 2E	September 1953	September 1956
Firm	"	Electrical Equipment Plant (Northeast No. 1)	Harbin, Heilungkiang 43 47N - 126 3E	1951	1956
Firm	"	Electric Meter and Instrument Plant	" " "	April 1954	June 1956

~~SECRET~~

SECRET

Firm	Machine Building	Electronic tube Plant	Totals, Hsoph		
	"	"	39 561 - 116 218	August 1955	October 1956
Firm	"	Heavy Machinery Plant	Pei-cheng, N. Shansi Kiang		
	"	"	47 151 - 123 601	June 1956	1959 (Plan)
Firm	"	Heavy Machinery Plant	T'ien-yuan, Shensi		
	"	"	37 521 - 112 338	1956	1958 (Plan)
Firm	"	Heavy Machine Tool Plant	Wu-han, Hsaph		
	"	"	30 141 - 114 135	1955	Second quarter 1958 (Plan)
Firm	"	High-Voltage Switch Plant	Sian, Shensi		
	"	"	31 161 - 103 515	September 1956	Installation of equipment to start fourth quarter 1957 (Plan)
Firm	"	Machine Tool Plant (No. 1)	Mukden, Lihsing		
	"	"	41 681 - 123 273	April 1953	December 1955
Firm	"	Measuring and Cutting Tool Plant	Hartung, K'oulang-chiang		
	"	"	45 471 - 126 395	1953	November 1956
Firm	"	Minin Machinery and Electrical Equipment Plant	Lu-chou, Lihsing		
	"	"	41 211 - 123 531	1953	1956 (Plan)
Firm	"	Mining Machinery and Equipment Plant	Lo-yang, Man		
	"	"	31 611 - 112 281	Underway July 1956	1958 (Plan)
Firm	"	Motor Vehicle Plants	Mo-han, Hsoph		
	"	"	20 341 - 111 251		
	"	"	12 341 - 103 441		
	"	"	35 031 - 103 611	September 1957	NA NA

SECRET

SECRET

Firm	Machine Building	Petroleum Drilling Equipment Plant	Lia-chen (Yung-ying), Hsin-chu 36 030 - 115 415	October 1954	Installation of equipment to begin 1957 (Plan)
Firm	"	Pneumatic Tool Plant	Hsin-chu, Liuching 41 430 - 123 275	July 1952	January 1955
Firm	"	Radio Equipment Plant	Ch'eng-tu, Szechuan 30 403 - 104 042	October 1954	1958 (Plan)
Firm	"	Railroad Equipment Plant	Ch'ang-ch'iu, Kirin 43 557 - 125 155	October 1954	End 1957 (Plan)
Firm	"	Steam Turbine Plant	Harbin, Heilungkiang 45 471 - 125 395	June 1956	1958 (Plan)
Firm	"	Steam Turbine Plant	Shanghai, Kiangsu 31 141 - 121 265	September 1954	November 1956
Firm	"	Telecommunications Equipment Manufacturing	Peking, Peking Plant 39 563 - 115 215	February 1954	September 1957
Firm	"	Textile Equipment Plant	Tai-pei (Shan-tai), Taiwan 37 421 - 115 645	May 1951	August 1954
Firm	"	Tractor Manufacturing Plant (No. 1)	Lo-yang, Honan 31 141 - 112 265	September 1954	1959 (Plan)

SECRET

SECRET

Probable	China Building	Automobile accessories Plant (No. 1)	Beijing, North 39 54' - 116 21'	August 1955	
Probable	"	Taih Technology Plant	Shibin, Heilongjiang 45 57' - 126 39'	1952	January 1953
Probable	"	Bridge Building Plant	Kunming, Yunnan 30 01' - 103 17'	1953	May 1953
Probable	"	Electrical Equipment Plant	Huzhou, Zhejiang 31 13' - 120 27'	1955	1956 (Plan)
Probable	"	Electrode Plant	Guzhou, Guizhou 26 52' - 106 39'	NA	1956
Probable	"	Internal Combustion Engines Plant	Changchun, Jilin 43 10' - 124 13'	NA	NA
Probable	"	Low-voltage Switch Plant	Huzhou, Zhejiang 31 13' - 120 27'	July 1955	June 1956
Probable	"	Locomotive and Rolling Stock Plant	Zhaoqing, Guangxi 23 06' - 113 14'	August 1957	1958 (Plan)
Probable	"	Mining Tools Plant (No. 1)	Shenyang, Liaoning 41 22' - 123 57'	1955	1956 (Plan)
Probable	"	Mining Tools Plant (No. 2)	Wuhu, Anhui 31 13' - 120 27'	1953	1956 (Plan)
Probable	"	Plaster Manufacturing Plant	Shenyang, Liaoning 41 22' - 123 57'	1954	1956 (Plan)

SECRET

SECRET

Possible	Machine Building	Tractor Manufacturing Plant	Tientsin, Tientsin 39 08N - 117 12E	December 1955	1957 (Plan)
Possible	"	Aircraft Parts Manufacturing and Repair Plant	Man-ch'ang, Shensi 36 40N - 115 51E	1952	NA
Possible	"	Machining and Cutting Tool Plant	Ch'eng-tu, Szechuan 30 40N - 106 01E	July 1956	1958 (Plan)
Possible	"	Electronic Instruments Plant	Tientsin, Tientsin 39 08N - 117 12E	Preparations underway by 1957	NA
Possible	"	Woolen Wool Plant	Chang-sha, Hunan 29 15N - 110 40E	Underway July 1957	Partial operation, third quarter 1958 (Plan)
Possible	"	Heavy Machinery Plant	Wei-sien, Shensi 37 50N - 112 50E	1959	In partial operation 1959
Possible	"	Insulating Materials Plant	Chia-chiau, Shensi 36 15N - 109 50E	1957	1958 (Plan)
Possible	"	Lathe Plant	Shantung, Shensi 37 51N - 112 51E	1953	1958
Possible	"	Lathe Plant	Tsing-tung, Shensi 36 00N - 111 20E	August 1957	NA
Possible	"	Decorative and Rolling Stock Plant	Tai-pei, Liuching 30 55N - 121 30E	July 1958	1959 (Plan)
Possible	"	Steel Industry and Power Plant	tsing-tung, Shensi 36 05N - 113 10E	1955	NA

SECRET

SECRET

Possible	Machine Building	Passenger Car Plant	Chang-chun, Kienin 13 558 - 125 150	July 1957	1959 (Plan)
Possible	"	Power Equipment Plant	Harbin, Tsailung-kiang 15 678 - 126 378	1951	1959 (Plan)
Possible	"	Steamship Motor Plant	"	"	"
Possible	"	Turbine Generator Factory	"	Underway December 1957	"
None	Electric Power	Hydro Station	Jen-chia-chi, Tsailung- kiang (approx.) 10 500 - 120 1322	Survey February 1957	"
Firm	"	"	Peng-pan, Kienin 13 558 - 125 150	1959	1959 (Plan)
Firm	"	"	Chi-nan-chiang, Chakieny (approx.) 29 600 - 109 500 39	Underway April 1957	1959 (Plan)
Firm	"	"	Tali-ho, Yenan (approx.) 26 000 - 109 000	July 1956	by 1952 (Plan)
1174	"	"	Tsing-tin Chia-linta (Tsialinla), Tsailung- kiang (approx.) 93 300 - 173 500	During design and August 1956	"

SECRET

SECRET

Firm	Electric Power	Hydro Station	Liaocheng Power, Kangsu (approx.) 35 47° - 109 05'	1957 (Plan)	1959 (Plan)
Firm	"	"	Sanmen Gorge, Honan (approx.) 35° - 111°	April 1957	1959 (Plan)
Firm	"	"	Guan-ye-chiang, Ninghsia (approx.) 29 57° - 110 13'	1955	December 1957
Firm	"	"	Tszech'ian-y-ch'i, Chuen "A"	Data planned December 1956	"B"
Firm	"	Thermal Station	Chang-chou, Kansu 36 05° - 113 05'	December 1952	January 1955
Firm	"	"	Ch'engtu, Szechuan 30 40° - 104 05'	December 1953	"C"
Firm	"	"	Chun-chou, Kansu 37 57° - 112 55'	January 1956	Partial operation October 1957 (Plan)
Firm	"	" (No. 597)	Shantung, Szechuan 39 34° - 104 35'	1952	March 1955
Firm	"	" (No. 2)	Taipei, Linching 31 55° - 121 35'	February 1954	"D"
Firm	"	Thermal Station	Lu-chien, Linching 32 07° - 121 35'	September 1954	Sept. 1955

SECRET

SECRET

Item	Electric Power	Thermal Station	Location	Capacity	Completion Date	Notes
1951	"	"	Fuxin, Liaoning	41,450 - 121,000	July 1952	
1952	"	(No. 1)	Huzhou, Szechuan	45,450 - 176,350	1953	1957 (Plan)
1953	"	Thermal Station	Wu-chi-yuan, Hunan	33,420 - 103,110	April 1955	December 1956
1954	"	"	Litang, Szechuan	18,540 - 125,330	January 1955	Partial operation July 1956
1955	"	"	Lanchow, Szechuan	36,630 - 100,100	December 1952	November 1957
1956	"	"	Peking, Peking	30,500 - 116,200	July 1957	Partial operation 1958 (Plan)
1957	"	"	Chia-chia-chung, Yenan	33,620 - 114,200	April 1955	April 1956
1958	"	(No. 2)	Sian, Shaanxi	31,170 - 103,900	1958	October 1957 (Plan)
1959	"	"	"	"	Early 1956	First phase completed summer 1957
1960	"	(No. 3)	"	"	"	
1961	"	(No. 1)	Wu-chi-yuan, Hunan	37,420 - 112,300	October 1953	August 1956
1962	"	Thermal Station	Wenzhi, Szechuan	43,180 - 97,350	October 1953	1957 (Plan)

SECRET

SECRET

Unlikely	Electric Power	Thermal Station	Wu-han, Hopeh 30 36N - 114 13E	June 1955	Partial operation August 1957
Probable	"	Hydro Station	Kuan-t'ing, Hopeh (approx.) 30 00N - 115 45E	May 1955	December 1955
Probable	"	"	Tung-ping-chou, Szechuan (approx.) 30 45N - 106 30E	Preparations underway 1956	1959 (Plan)
Probable	"	Thermal Station	An-yan, Liening 41 07N - 122 57E	1956	March 1956
Probable	"	"	Ch'ung-ch'iu, Kirin 43 08N - 125 21E	December 1955	Partial operation June 1956
Probable	"	"	Pao-ku-ch'iu-chih, Kalgan, Meng-kiang	July 1955	Early 1956
Probable	"	(No. 3)	Pao-t'ou, Inner Mongolian Autonomous Region 41 36N - 110 03E	September 1955	April 1956
Probable	"	(No. 5)	Tai-yuan, Shansi 37 42N - 112 30E	1955	NA
Possible	"	Hydro Station	Tsin-ling-chiang, Kwangtung (approx.) 25 56N - 115 00E	Being planned May 1957	NA

SECRET

SECRET

Possible	Electric Power	Hydro Station	Huan-ien, Kirin 41 16N - 125 25E	Design to be completed 3rd quarter 1957 (Plan)	NA
Possible	"	"	Huang-t'ang-k'ou, Chekiang (Approx.) 29 45N - 120 35E	1951	Partial operation 1957 (Plan)
Possible	"	"	Hu-t'ien, Szechuan 26 18N - 103 51E	1951	1962
Possible	"	"	Kai-shan, Szechuan 30 03N - 103 51E	Underway August 1955	NA
Possible	"	"	Kai-hung-p'u, Yunnan 28 51N - 102 30E	July 1951	April 1955
Possible	"	"	Kai-hung-t'ien, Szechuan 29 32N - 106 14E	August 1951	April 1957
Possible	"	"	Li-la-po, Sinkiang (approx.) 43 40N - 87 35E	October 1951	August 1955
Possible	"	Thermal Station	Ch'eng-tu, Szechuan 30 40N - 104 01E	October 1953	April 1955
Possible	"	"	Riian-w't'un, Hunan 27 51N - 112 51E	1953	1956 (Plan)
Possible	"	"	Lo-yang, Honan 34 41N - 117 25E	Underway 1951	1955

SECRET

SECRET

Possible	Electric Power	Thermal Station	To-yang, Honan 39 41N - 112 23E	Underway June 1956	October 1957 (Plan)	
Possible	"	"	Pao-t'ou, Inner Mongo- lian Autonomous Region 40 36N - 110 03E	March 1956	NA	
Possible	"	(Fig. 2)	"	Underway 1957	1957	
Possible	"	Thermal Station	Tientsin, Hopei 39 08N - 112 32E	June 1953	Partial operation May 1954 (Plan)	
Firm	Coal Industry	None	Yung-nan, Hopei (approx.) 36 30N - 116 00E	November 1955	Before September 1957	
Firm	"	"	Tsing-tau (Lan-chow), Kiaoching 42 08N - 121 12E	1950	1956 (Plan)	
Firm	"	"	Feu-hsin (Ping-an), Kiaoching 42 08N - 121 12E	1955	<i>June</i> <i>begin March 1957</i>	
Firm	"	"	(insert) Hsing-an-Tai) Kiaoching (Tung-shan), Hsiung-chiang 47 26N - 130 10E	1950	September 1955	
Firm	"	"	Gai-an, Kiaoching 42 56N - 125 09E	NA	By January 1957	

SECRET

SECRET

Firm	Coal Industry	Mine (No. 2 & No. 3)	Hsin-chu (Hsin-chu-chi), Anhwei 33 30' - 119 50'E	1951	July 1955
Firm	"	Mine	Lien-yuan, Hsiening 33 50' - 119 20'E	1950	December 1955
Firm	"	"	Ying-tung-chien, Hsien 33 00' - 119 40'E	1955	1955 (Plan)
Firm	"	Preparation Plant	Feng-feng (2 plants), Fugan (approx.) 33 30' - 119 60'E	January 1957	NA
Firm	"	Preparation Plant	Chia-chia-chen, Hsien 33 30' - 119 50'E	NA	1955 (Plan)
Probable	"	Mine	Chia-chia (Kia-chia-chien), Fugan 33 15' - 119 15'E	September 1955	1955
Probable	"	"	Chi-hai (Hsiao-heng- chien), Suilung-chien 33 15' - 119 00'E	July 1950	1955
Probable	"	"	Ho-shien (Hsin-chien), Hsiening 32 00' - 120 10'E	December 1954	August 1957 (Plan)

SECRET

SECRET

Probable	Coal Industry	Mine	P'u-shun (Lan-hu-tai), Kiaoning 11 53M - 123 51E	1953	1959 (Plan)
Probable	"	"	P'u-shun (Lam-feng), Kiaoning 11 53M - 123 51E	1953	1957 (Plan)
Probable	"	"	Hsi-chang (Chi-chang-tai), Kialungkien 17 25E - 132 01E	1950	July 1956
Probable	"	"	P'an-ch'i (Tsui-tsun), Kiaoning 11 20N - 123 45E	April 1950	December 1958
Probable	"	"	P'u-ting-hsiang, Kiangsu 27 30N - 119 51E	1951	DA
Probable	"	"	Ts'-t'ung, Shensi 40 60N - 113 11E	DA	DA
Probable	"	"	P'u-ting-ch'u-nan (Tao-yuan), Shensi 35 00N - 109 07E	May 1956	1959 (Plan)
Probable	"	"	T'ung-ch'u-nan (Kang-chia-ho), Shensi 35 00N - 109 07E	June 1955	1959 (Plan)
Probable	"	Preparation Plant	P'en-ch'i, Liaoning 11 20N - 123 45E	Early 1955	End 1955

SECRET

SECRET

Possible	Coal Industry	Preparation Plant	Ping-tung-chou (2 plants), Fusan 31 02N - 116 45E	NA	NA
Possible	"	Fine	I-l-t'ang, Shensi (Approb) 36 42N - 110 30E	1955	NA
Possible	"	"	Lu-chia-kou, Noyoch 39 42N - 116 33E	December 1955	Still under construction July 1957
Possible	"	"	Sian, Shensi 34 18N - 108 55E	NA	1955 (Plan)
Other					
Firm	Aircraft Industry	Military Bomber	Gaden, Shensi 31 42N - 112 30E	NA	October 1957
Firm	Chemical Industry	Calcium Carbide Plant	Kirin, Kirin 43 51N - 126 33E	3rd quarter 1955	October 1957
Firm	"	Chemical Plant	Chi-hua-chia-chung, Noyoch 39 02N - 114 20E	June 1955	August 1955
Firm	"	Chemical Plant	T'ai-yuan, Shensi 37 42N - 112 30E	Underway November 1957	NA
Firm	"	Clo-stuff Plant	Kirin, Kirin 43 51N - 126 33E	April 1955	October 1957
Firm	"	Nitrogenous Fertilizer Plant	Kirin, Kirin 43 51N - 126 33E	April 1955	October 1957

SECRET

~~SECRET~~

Firm	Chemical Industry	Nitrogenous Fertilizer Plant	Lin-chou, Kansu 36 03N - 109 41E	Midway April 1957	1959 (Plan)
Firm	"	Nitrogenous Fertilizer Plant	T'ai-yuan, Shensi 37 42N - 112 30E	Spring 1958 (Plan)	NA
Firm	"	Pharmaceutical Plant	Hukien, Lianning 41 48N - 123 27E	August 1958	1958 (Plan)
Firm	"	Pharmaceutical Plant	T'wei-yuan, Shensi 37 42N - 112 30E	Spring 1958 (Plan)	NA
Firm	"	Synthetic Rubber (Cupress) Plant	Ch'eng-chou, Szechuan 30 50N - 107 01E	Midway July 1957	Second quarter 1958 (Plan)
Firm	"	Synthetic Rubber Plant	Lin-chou, Kansu 36 03N - 109 41E	NA	1958
Probable	"	Chemical Combine	Laiyen, Lianning 30 55N - 121 30E	1952	1958
Probable	"	Pharmaceutical Plant	Peking, Nopch 39 56N - 116 21E	April 1958	1958 (Plan)
Probable	"	Synthetic Rubber Plant	Kirin, Manchuria 43 51N - 126 33E	NA	NA
possible	"	Pharmaceutical Plant (Loc. 3)	Shanghai, Kiangsu 31 11N - 121 28E	1952	Before January 1957
Firm	Nonferrous Metals Industry	Aluminum Plant	Yn-chun, Lianning 41 52N - 123 53E	1953	October 1956

~~SECRET~~

Other

Firm	Dangerous Metals Industry	Aluminum-Alloy Plant	Gulin, Belluprecious 45 47N - 126 39E	1951	1955
Firm	"	Tin Combine	Ko-chia, Taiwan 23 23N - 103 09E	1951	1955
Possible	"	Copper Smelting	Ien-chia, Kansu 36 01N - 103 41E	DA	DA
Possible	"	Copper Smelting	T'ung-huang-shan, Anhui (approx.) 30 56N - 117 47E	Survey March 1953	1957
Possible	"	Copper Smelting	Han-yang, Nuyuan 32 00N - 112 20E	DA	October 1953
Firm	Paper Industry	Paper Mill	Chia-kuo-chia (Kuang-chia) Hailungtaiang 46 50N - 130 21E	June 1953	September 1957
Firm	Petroleum Industry	Refinery	Ien-chia, Kansu 36 01N - 103 41E	April 1956	1959 (Plan)
Firm	"	Refinery	Kanas River, Sinkiang 45 38N - 85 12E	Survey underway December 1956	1962 (Plan)
Firm	"	Shale Oil Processing Plant	Pu-erh East, Yunnan 24 57N - 103 52E	July 1957	1960 (Plan)

SECRET

SECRET

Possible	Petroleum Industry	Refinery	Ta-shan-tan, Sinkiang 31 203 - 64 515	1952	1953
Possible	"	Refinery	Yu-men, Lanzhou 39 423 - 97 502	1953	Construction continuing in 1953
Possible	"	Shale Oil Processing Plant (No. 2)	Po-shun, Lianning 41 523 - 126 513	May 1953	December 1953
Firm	Textile Industry	Flax Mill	I-ch'eng, Heilungkiang 45 323 - 126 995	1953	April 1953
Firm	"	Flax Mill	Ko-lin, Heilungkiang 45 593 - 126 313	1953	April 1953
Firm	"	Flax Mill	Hsien-hua, Heilungkiang 45 163 - 126 313	July 1953	October 1953
Firm	Shipbuilding Industry	Shipyard	Chentu, Kwantung 23 073 - 113 152	Underway 1953	1953 (Plan)
Firm	"	Shipyard	Shanghai (Hu-tung), Kiangsu 31 143 - 121 232	1953	Before November 1953
Firm	"	Shipyard	Wu-han, Hu-peh 30 323 - 114 152	1953	Before November 1953
Possible	"	Shipyard	Shanghai (Kian-pen), Kiangsu 31 143 - 121 232	1953	Before November 1953

SECRET

SECRET

Phase	Communication Industry	Location, Japan	Date	Status
Possible	Central Telegraph Building	39-501 - 116 242	May 1956	1956 (Plan)
Possible	Telecommunications Building	Chōme-ya, Saitama 39-401 - 104 012	Underway February 1957	Third quarter 1957 (Plan)
Possible	Telecommunications Building	Uruchi, Saitama 43-401 - 07 352	September 1956	NA
Possible	Television Station	Fukui, Nagano 39-501 - 116 242	Underway June 1957	Summer 1958 (Plan)